

In the Claims

Claims are amended as follows:

1. (currently amended) A radio communications device comprising at least three diverse antennas, said antennas being arranged to have diversity with respect to one another, and one of a plurality of transmit chains or a plurality of receive chains, and wherein the device is operable such that there are fewer of said chains than activated diverse antennas.
2. (original) A radio communications device as claimed in claim 1 which is arranged to provide multiple-input multiple-output communications.
3. (original) A radio communications device as claimed in claim 1 wherein said antennas each have directionality.
4. (previously presented) A radio communications device as claimed in claim 1 wherein said at least three diverse antennas have one of spatial diversity and polarisation diversity.
5. (original) A radio communications device as claimed in claim 1 which is selected from a basestation and a user terminal.
6. (previously presented) A radio communications device as claimed in claim 1 which further comprises a selector arranged to select for each chain, one of said antennas for use in conjunction with said chain.
7. (previously presented) A radio communications device as claimed in claim 6 wherein said selector comprises a switching mechanism arranged to switch the antennas between said chains.
8. (original) A radio communications device as claimed in claim 6 wherein said selector is arranged to select on the basis of a parameter related to a cyclic redundancy check process.

9. (previously presented) A radio communications device as claimed in claim 8 wherein said selector is further arranged to select for each receive chain one of the antennas not currently selected for use in conjunction with other of said receive chains.
10. (previously presented) A radio communications device as claimed in claim 8 wherein said selector is further arranged to select for each transmit chain one of the antennas not currently selected for use in conjunction with other of said transmit chains.
11. (original) A radio communications device as claimed in claim 6 wherein said selector is arranged to select on the basis of a signal strength indicator.
12. (previously presented) A radio communications device as claimed in claim 6 which is arranged to provide multiple-input multiple-output communications and where said selector is arranged to select on the basis of parameters related to one of, a frame error rate, link capacity and eigenvalues.
13. (previously presented) A radio communications device as claimed in claim 1 wherein each of said antennas is arranged to provide a directional antenna beam and wherein at least some of said antenna beams are of substantially different pointing directions than others of said antenna beams.
14. (original) A radio communications device as claimed in claim 1 comprising four pairs of antennas each pair of antennas being supported from a body which is sized and shaped such that it is portable and suitable to be supported on a substantially flat surface.
15. (original) A radio communications device as claimed in claim 14 wherein said body is a parallelepiped and each pair of antennas is supported from a different face of said parallelepiped.
16. (original) A radio communications device as claimed in claim 14 wherein said antennas are dipoles.

17. (original) A radio communications device as claimed in claim 16 wherein one of each pair of dipoles is arranged such that its ends are directed towards the body.
18. (original) A radio communications device as claimed in claim 14 which further comprises a selector arranged to select a first subset of the antennas for transmission and a second subset of the antennas for reception.
19. (original) A radio communications device as claimed in claim 18 which is suitable for use in a multiple-input multiple-output communications system and where the first subset is two of the antennas and the second subset is four of the antennas.
20. (original) A radio communications network comprising a radio communications device as claimed in claim 1.
21. (previously presented) A radio communications network comprising a plurality of user terminals each being a radio communications device as claimed in claim 1 and wherein each of said antennas at said user terminals is arranged to provide a directional antenna beam and wherein at least some of said antenna beams are of substantially different pointing directions than others of said antenna beams.
22. (currently amended) A method of operating a radio communications device which comprises at least three diverse antennas, said antennas being arranged to have diversity with respect to one another, and one of a plurality of transmit chains or a plurality of receive chains, and wherein the device is operable such that there are fewer of said chains than activated diverse antennas, said method comprising the steps of:
 - a) selecting, for each chain, one of the antennas for use in conjunction with said chain.

23. (previously presented) A method as claimed in claim 22 wherein said step of selecting comprises selecting on the basis of a signal strength indicator.
24. (previously presented) A method as claimed in claim 22 wherein said antenna arrangement is arranged to provide multiple-input multiple-output communications and wherein said selector is arranged to select on the basis of parameters related to one of a frame error rate, link capacity, cyclic redundancy check information and eigenvalues.
25. (original) A computer program stored on a computer readable medium and arranged to carry out the method of claim 22.